```
FILE 'HOME' ENTERED AT 08:08:50 ON 02 OCT 2002

=> file reg
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         0.21       0.21

FILE 'REGISTRY' ENTERED AT 08:09:07 ON 02 OCT 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:   30 SEP 2002  HIGHEST RN 457600-76-9
DICTIONARY FILE UPDATES:  30 SEP 2002  HIGHEST RN 457600-76-9

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

Crossover limits have been increased.  See HELP CROSSOVER for details.

Experimental and calculated property data are now available.  See HELP
PROPERTIES for more information.  See STNote 27, Searching Properties
in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=> e 3-penyl-2-butenoic acid/cn
E1            1     3-PENTYNYLBENZENE/CN
E2            1     3-PENTYNYLIUM/CN
E3            0 --> 3-PENYL-2-BUTENOIC ACID/CN
E4            1     3-PERCHLORYLBENZENAMINE/CN
E5            1     3-PERCHLORYLPHENYL ISOCYANATE/CN
E6            1     3-PERFLUORO(7-METHYLOCTYL)-1,2-EPOXYPROPANE/CN
E7            1     3-PERFLUOROBUTYL-1-IODOPROPANE/CN
E8            1     3-PERFLUOROBUTYLPROPYL IODIDE/CN
E9            1     3-PERFLUORODECYL-1,2-EPOXYPROPANE/CN
E10           1     3-PERFLUOROHEPTENE/CN
E11           1     3-PERFLUOROHEXYL-1-IODOPROPANE/CN
E12           1     3-PERFLUOROOCTYL-1,2-EPOXYPROPANE/CN

=> e 3-phenyl-2-butenoic acid/cn
E1            1     3-PHENYL-2-BUTENAL/CN
E2            1     3-PHENYL-2-BUTENENITRILE/CN
E3            0 --> 3-PHENYL-2-BUTENOIC ACID/CN
E4            1     3-PHENYL-2-CHLOROPROPIONALDEHYDE/CN
E5            1     3-PHENYL-2-CYCLOBUTEN-1-ONE/CN
E6            1     3-PHENYL-2-CYCLOBUTENONE/CN
E7            1     3-PHENYL-2-CYCLOHEXEN-1-OL/CN
E8            1     3-PHENYL-2-CYCLOHEXEN-1-ONE/CN
E9            1     3-PHENYL-2-CYCLOHEXENE-1-ACETIC ACID/CN
E10           1     3-PHENYL-2-CYCLOHEXENE-1-ONE/CN
E11           1     3-PHENYL-2-CYCLOHEXENONE/CN
E12           1     3-PHENYL-2-CYCLOPENTEN-1-ONE/CN
```

```
=> logoff hold
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         0.76       0.97

 SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 08:10:23 ON 02 OCT 2002

Connecting via Winsock to STN


Welcome to STN International!  Enter x:x

LOGINID:ssspta1623paz

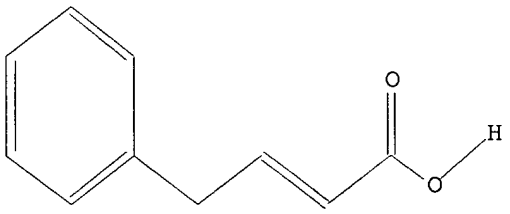
PASSWORD:
 * * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'REGISTRY' AT 08:12:48 ON 02 OCT 2002
FILE 'REGISTRY' ENTERED AT 08:12:48 ON 02 OCT 2002
COPYRIGHT (C) 2002 American Chemical Society (ACS)

COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         0.76       0.97

=>
Uploading 10025947 2nd action.str

L1      STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1              STR
```




```
Structure attributes must be viewed using STN Express query preparation.

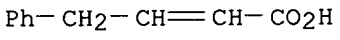

=> search l1 exact full
FULL SEARCH INITIATED 08:13:47 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -     31 TO ITERATE

100.0% PROCESSED      31 ITERATIONS                                3 ANSWERS
SEARCH TIME: 00.00.01

L2            3 SEA EXA FUL L1
```

=> d scan

L2 3 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2-Butenoic acid, 4-phenyl- (9CI)
MF C10 H10 O2

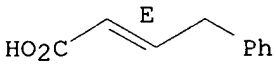


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):3

L2 3 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2-Butenoic acid, 4-phenyl-, (2E)- (9CI)
MF C10 H10 O2

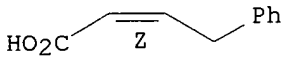
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 3 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2-Butenoic acid, 4-phenyl-, (2Z)- (9CI)
MF C10 H10 O2

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

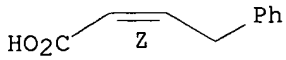
ALL ANSWERS HAVE BEEN SCANNED

=> d l2 1-3

L2 ANSWER 1 OF 3 REGISTRY COPYRIGHT 2002 ACS
RN 62115-14-4 REGISTRY
CN 2-Butenoic acid, 4-phenyl-, (2Z)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 2-Butenoic acid, 4-phenyl-, (Z)-

FS STEREOSEARCH
MF C10 H10 O2
LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT
(*File contains numerically searchable property data)

Double bond geometry as shown.

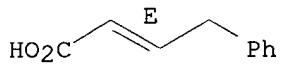


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1962 TO DATE)
3 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L2 ANSWER 2 OF 3 REGISTRY COPYRIGHT 2002 ACS
RN 60341-39-1 REGISTRY
CN 2-Butenoic acid, 4-phenyl-, (2E)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 2-Butenoic acid, 4-phenyl-, (E)-
OTHER NAMES:
CN (E)-4-Phenyl-2-butenoic acid
FS STEREOSEARCH
MF C10 H10 O2
LC STN Files: BEILSTEIN*, CA, CAPLUS, CASREACT
(*File contains numerically searchable property data)

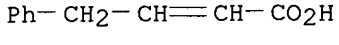
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

8 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
8 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L2 ANSWER 3 OF 3 REGISTRY COPYRIGHT 2002 ACS
RN 2243-52-9 REGISTRY
CN 2-Butenoic acid, 4-phenyl- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Crotonic acid, 4-phenyl- (6CI, 8CI)
OTHER NAMES:
CN 4-Phenylbut-2-enoic acid
CN 4-Phenylcrotonic acid
FS 3D CONCORD
MF C10 H10 O2
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, USPATFULL
(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

17 REFERENCES IN FILE CA (1962 TO DATE)
17 REFERENCES IN FILE CAPLUS (1962 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	54.02	54.23

FILE 'CAPLUS' ENTERED AT 08:15:06 ON 02 OCT 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 2 Oct 2002 VOL 137 ISS 14
FILE LAST UPDATED: 1 Oct 2002 (20021001/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

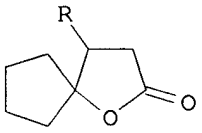
=> l2
L3 26 L2

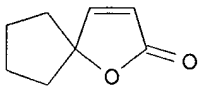
=> l2/prep
26 L2
2916726 PREP/RL
L4 11 L2/PREP
(L2 (L) PREP/RL)

=> d l4 11 ti fbib abs

L4 ANSWER 11 OF 11 CAPLUS COPYRIGHT 2002 ACS
TI Generation of 3-carbanion species from 3-phenylsulfinyl- and 3-phenylsulfonylpropionic acids

AN 1976:577014 CAPLUS
DN 85:177014
TI Generation of 3-carbanion species from 3-phenylsulfinyl- and 3-phenylsulfonylpropionic acids
AU Iwai, Kiyoshi; Kosugi, Hiroshi; Miyazaki, Akio; Uda, Hisashi
CS Chem. Res. Inst. Non-Aqueous Solutions, Tohoku Univ., Sendai, Japan
SO Synth. Commun. (1976), 6(5), 357-63
CODEN: SYNCAV
DT Journal
LA English
GI



III


IV

AB Dianions -CHRCH2CO2- [R = PhSO (I), PhSO2 (II)] were obtained from RCH2CH2CO2H. Formation of I on treatment of PhSOCH2CH2CO2H with Li diisopropylamide was confirmed by D exchange and by chem. means, e.g., reaction of I with cyclopentanone gave lactone III (R = PhSO) in 42% yield, which on pyrolysis gave butenolide IV. II similarly gave III (R = PhSO2).

=> d l4 8-10 ti fbib abs

L4 ANSWER 8 OF 11 CAPLUS COPYRIGHT 2002 ACS
TI Electrochemical synthesis of carboxylic acids
AN 1989:65729 CAPLUS
DN 110:65729
TI Electrochemical synthesis of carboxylic acids
IN Moingeon, Marie Odile; Chaussard, Jacques; Troupel, Michel; Saboueau, Christophe
PA Societe Nationale des Poudres et Explosifs, Fr.
SO Fr. Demande, 20 pp.
CODEN: FRXXBL
DT Patent
LA French
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2609474	A1	19880715	FR 1987-134	19870109
	FR 2609474	B1	19910426		
	EP 277048	A1	19880803	EP 1988-400025	19880107
	EP 277048	B1	19910410		
	R: CH, DE, FR, GB, IT, LI, SE				
				FR 1987-134	19870109
	US 4824532	A	19890425	US 1988-141492	19880107
				FR 1987-134	19870109
	JP 63190186	A2	19880805	JP 1988-1400	19880108
				FR 1987-134	19870109

OS CASREACT 110:65729; MARPAT 110:65729

AB Electrosynthesis of carboxylic acids is performed by electrochem. redn., in the presence of CO2, of compds. of formula RY, where R is an org. group and Y is a heteroatom, chosen from O, N, S, and P, bonded to a C atom of R, when Y = N or P, Y is ammonium or phosphonium. The anode, consumed in electrosynthesis, is chosen from reductant metals and their alloys, preferably Mg, Al, or Zn. The process, without a catalyst, is simple to perform and can be done in a 1-compartment cell. Phenylacetic acid was isolated in 76% yield with respect to electrochem. redn. of benzyl acetate.

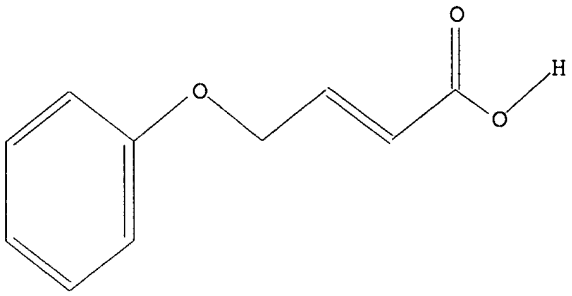
L4 ANSWER 9 OF 11 CAPLUS COPYRIGHT 2002 ACS
TI Synthesis with .alpha.-cyanoenamines. 2-Diethylamino-4-lithio-4-phenylthio-2-butenonitrile as a .beta.-carboxyl vinyl anion equivalent
AN 1983:106759 CAPLUS
DN 98:106759
TI Synthesis with .alpha.-cyanoenamines. 2-Diethylamino-4-lithio-4-phenylthio-2-butenonitrile as a .beta.-carboxyl vinyl anion equivalent
AU De Lombaert, Stephane; Lesur, Brigitte; Ghosez, Leon
CS Lab. Chim. Org. Synth., Univ. Cathol. Louvain, Louvain-la-Neuve, B-1348, Belg.
SO Tetrahedron Lett. (1982), 23(41), 4251-4
CODEN: TELEAY; ISSN: 0040-4039
DT Journal
LA English
OS CASREACT 98:106759
AB Seven vinyl carboxylates, RCH:CHCO2R1 (R = aliph., PhCH2, cycloalkanonyl; R1 = H, Me), were regioselectively prepd. by reaction of PhSCHLiCH:C(NEt2)CN with alkyl halides, MeCHO, and cyclic .alpha.-enones, followed by hydrolysis, oxidn., and desulfuration. E.g., sequential treatment of PhSCH2CH:C(NEt2)CN with LiN(CHMe2)2, BuI, and HCl gave 55% BuCH(SPh)CH2CO2H which was converted to (E)-BuCH:CHCO2H in 90% yield by oxidn. and thermal elimination of PhSH.

L4 ANSWER 10 OF 11 CAPLUS COPYRIGHT 2002 ACS
TI A one-carbon homologation of carbonyl compounds to carboxylic acids, esters, and amides
AN 1977:105151 CAPLUS
DN 86:105151
TI A one-carbon homologation of carbonyl compounds to carboxylic acids, esters, and amides
AU Dinizo, Stephen E.; Freerksen, Robert W.; Pabst, W. Edward; Watt, David S.
CS Dep. Chem., Univ. Colorado, Boulder, Colo., USA
SO J. Am. Chem. Soc. (1977), 99(1), 182-6
CODEN: JACSAT
DT Journal
LA English
AB The Horner-Emmons modification of the Wittig reaction, in which Me3COCH(CN)P(O)(OEt)2 is condensed with aldehydes or ketones to give .alpha.-tert-butoxyacrylonitriles (I), is used for the one-carbon homologation of the starting CO compds. to give the corresponding carboxylic acids, esters, or amides. I is cleaved and acetylated by ZnCl2-Ac2O to give .alpha.-acetoxynitriles which when treated with OH-, alkoxide, or amine give the corresponding carboxylic acid, ester, or amide.

=>
Uploading 10025947 2nd action.str

L5 STRUCTURE UPLOADED

=> d l5
L5 HAS NO ANSWERS
L5 STR



Structure attributes must be viewed using STN Express query preparation.

=> search l5 exact sam
REG1stRY INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

SAMPLE SEARCH INITIATED 08:20:50 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 1 TO ITERATE

100.0% PROCESSED 1 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 1 TO 80
PROJECTED ANSWERS: 0 TO 0

L6 0 SEA EXA SAM L5

L7 0 L6

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.40	69.75

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION

CA SUBSCRIBER PRICE 0.00 -2.48

FILE 'REGISTRY' ENTERED AT 08:20:56 ON 02 OCT 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 30 SEP 2002 HIGHEST RN 457600-76-9
DICTIONARY FILE UPDATES: 30 SEP 2002 HIGHEST RN 457600-76-9

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

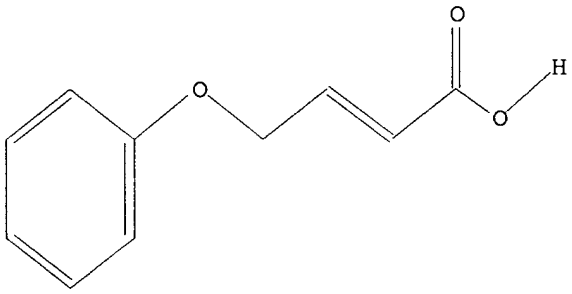
Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=>
Uploading 10025947 2nd action.str

L8 STRUCTURE UPLOADED

=> d l8
L8 HAS NO ANSWERS
L8 STR



Structure attributes must be viewed using STN Express query preparation.

=> search l8 exact full
FULL SEARCH INITIATED 08:21:23 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 35 TO ITERATE

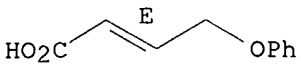
100.0% PROCESSED 35 ITERATIONS 3 ANSWERS
SEARCH TIME: 00.00.01

L9 3 SEA EXA FUL L8

=> d scan

L9 3 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2-Butenoic acid, 4-phenoxy-, (E)- (9CI)
MF C10 H10 O3

Double bond geometry as shown.

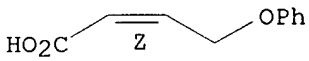


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT .

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):3

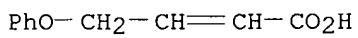
L9 3 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2-Butenoic acid, 4-phenoxy-, (Z)- (9CI)
MF C10 H10 O3

Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L9 3 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 2-Butenoic acid, 4-phenoxy- (9CI)
MF C10 H10 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

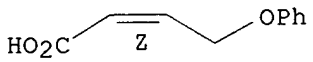
ALL ANSWERS HAVE BEEN SCANNED

=> d l9 1-3

L9 ANSWER 1 OF 3 REGISTRY COPYRIGHT 2002 ACS
RN 162363-35-1 REGISTRY
CN 2-Butenoic acid, 4-phenoxy-, (Z)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C10 H10 O3

SR CA
LC STN Files: CA, CAPLUS, CASREACT

Double bond geometry as shown.

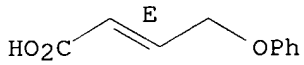


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L9 ANSWER 2 OF 3 REGISTRY COPYRIGHT 2002 ACS
RN 161446-34-0 REGISTRY
CN 2-Butenoic acid, 4-phenoxy-, (E)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C10 H10 O3
SR CA
LC STN Files: CA, CAPLUS, CASREACT

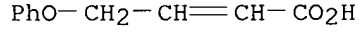
Double bond geometry as shown.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1962 TO DATE)
3 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L9 ANSWER 3 OF 3 REGISTRY COPYRIGHT 2002 ACS
RN 75933-70-9 REGISTRY
CN 2-Butenoic acid, 4-phenoxy- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Crotonic acid, 4-phenoxy- (6CI)
FS 3D CONCORD
MF C10 H10 O3
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS
(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1962 TO DATE)
2 REFERENCES IN FILE CAPLUS (1962 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

```
=> file reg
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                        52.50     122.25

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)              SINCE FILE      TOTAL
                                                           ENTRY    SESSION
CA SUBSCRIBER PRICE                                         0.00      -2.48

FILE 'REGISTRY' ENTERED AT 08:21:56 ON 02 OCT 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:   30 SEP 2002  HIGHEST RN 457600-76-9
DICTIONARY FILE UPDATES:  30 SEP 2002  HIGHEST RN 457600-76-9

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

Crossover limits have been increased.  See HELP CROSSOVER for details.

Experimental and calculated property data are now available.  See HELP
PROPERTIES for more information.  See STNote 27, Searching Properties
in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=> l9
SAMPLE SEARCH INITIATED 08:22:08 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -    396 TO ITERATE

100.0% PROCESSED     396 ITERATIONS                          11 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:         6727 TO     9113
PROJECTED ANSWERS:              22 TO      418

L10          11 SEA SSS SAM L8

=> file caplus
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         0.38     122.63

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)              SINCE FILE      TOTAL
                                                           ENTRY    SESSION
CA SUBSCRIBER PRICE                                         0.00      -2.48

FILE 'CAPLUS' ENTERED AT 08:22:33 ON 02 OCT 2002
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FILE COVERS 1907 - 2 Oct 2002 VOL 137 ISS 14
FILE LAST UPDATED: 1 Oct 2002 (20021001/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

```
=> l9
L11          6 L9

=> d l11 1-6 ti

L11  ANSWER 1 OF 6  CAPLUS  COPYRIGHT 2002 ACS
TI   Methyl ketone formation during degradation of phenoxybutyric acid by
     Penicillium canescens SBUG-M 1139

L11  ANSWER 2 OF 6  CAPLUS  COPYRIGHT 2002 ACS
TI   Preparation of prostaglandin E1 amide analog as antiulcer agents

L11  ANSWER 3 OF 6  CAPLUS  COPYRIGHT 2002 ACS
TI   Preparation of prostaglandin E1 analog as antiulcer agent

L11  ANSWER 4 OF 6  CAPLUS  COPYRIGHT 2002 ACS
TI   Preparation of prostaglandin E1 analogs as ulcer inhibitors

L11  ANSWER 5 OF 6  CAPLUS  COPYRIGHT 2002 ACS
TI   Reductions and radical cyclizations of aryl and alkyl bromides mediated
by
     NaBH4 in aqueous base

L11  ANSWER 6 OF 6  CAPLUS  COPYRIGHT 2002 ACS
TI   Synthesis of some polyfunctionalized bicyclo[3.3.1]nonane-2,9-diones and
     bicyclo[4.3.1]decane-2,10-diones


=> l9/prep
             6 L9
       2916726 PREP/RL
L12          5 L9/PREP
```

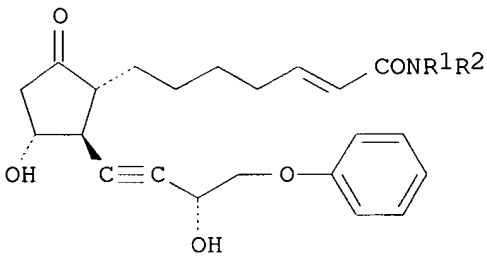
(L9 (L) PREP/RL)

=> d l12 1-5 ti fbib abs

L12 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2002 ACS
TI Preparation of prostaglandin E1 amide analog as antiulcer agents
AN 1995:929658 CAPLUS
DN 124:86704
TI Preparation of prostaglandin E1 amide analog as antiulcer agents
IN Sato, Fumie; Amano, Takehiro; Kameo, Kazuya; Tanami, Tooru; Muto, Masaru; Ono, Naoya; Goto, Jun
PA Taisho Pharma Co Ltd, Japan; Sato Fumie
SO Jpn. Kokai Tokkyo Koho, 17 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07233145	A2	19950905	JP 1994-74656	19940413
			JP 1993-329208	19931227

OS MARPAT 124:86704
GI



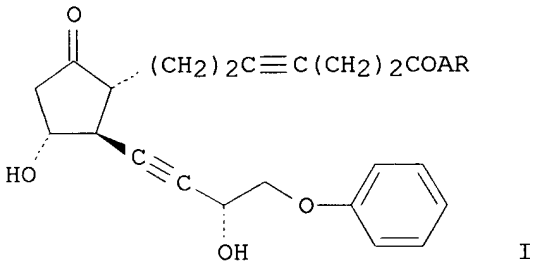
I

AB The title compds. I (R1-2 = H, C1-6 alkyl, C3-8 cycloalkyl, C3-8 cycloalkyl-substituted Me, C7-12 bridged cyclic hydrocarbyl, C1-6 alkylsulfonyl, methoxycarbonylmethyl; NR1R2 = heterocyclyl) are prepd. A soln. of 1.55 g (3R)-3-(tert-butyldimethylsiloxy)-4-phenoxy-1-butyne (prepd. from 2-phenoxyethanol in 9 steps) in PhMe was treated with BuLi at 0.degree. for 20 min, treated with Et2AlCl at room temp. for 20 min, then treated with 4.30 mmol (4R)-2-(N,N-diethylamino)methyl-4-(tert-butyldimethylsiloxy)cyclopent-2-en-1-one at room temp. for 20 min to give 1.07 g (3R,4R)-2-methylene-3-[(3'R)-3'-(tert-butyldimethylsiloxy)-4'-phenoxybut-1'-yn-1-yl]-4-(tert-butyldimethylsiloxy)-1-cyclopentanone, which (750 mg) was mixed with 6-iodo-2-hexenoic acid cyclohexylamide in C6H6, treated with Bu3SnH and AIBN at 80.degree. for 1.5 h to give 544 mg (2E)-16-phenoxy-17,18,19,20-tetranor-2,3,13,14-tetradehydro-PGE1 cyclohexylamide 11,15-bis(tert-butyldimethylsilyl ether) (II). A soln. of 438 mg II in MeCN was treated with aq. HF under ice cooling for 2 h to give 217 mg (2E)-16-phenoxy-17,18,19,20-tetranor-2,3,13,14-tetradehydro-PGE1 cyclohexylamide (III). III in vitro inhibited 44.2% the binding of [3H]PGE2 to the PGE2 receptor prepn. from P815 cells.

L12 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2002 ACS
TI Preparation of prostaglandin E1 analog as antiulcer agent
AN 1995:543515 CAPLUS
DN 122:290577
TI Preparation of prostaglandin E1 analog as antiulcer agent
IN Sato, Fumie; Amano, Takehiro; Kameo, Kazuya; Tanami, Tohru; Mutoh, Masaru;
Ono, Naoya; Goto, Jun
PA Taisho Pharmaceutical Co., Ltd., Japan
SO PCT Int. Appl., 32 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9427962	A1	19941208	WO 1994-JP635	19940418
W: AU, CA, JP, KR, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
			JP 1993-122995	19930526
AU 9465132	A1	19941220	AU 1994-65132	19940418
			JP 1993-122995	19930526
			WO 1994-JP635	19940418

OS MARPAT 122:290577
GI



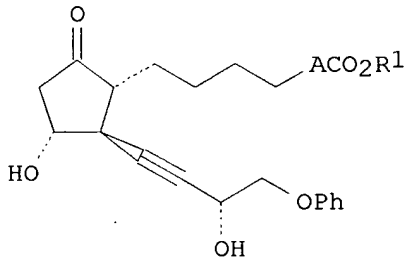
I

AB A novel PGE1 analog (I; R = H, C1-8 alkyl, C3-8 cycloalkyl; A = O, NH) is prepd. It has cytoprotective and gastric secretion-inhibitory effects superior to those of the conventional PGE1 analogs, selectively acts on EP3 receptor, and is excellent in the persistence of drug effect with reduced side effects. Thus, (3R)-3-(tert-butyldimethylsilyloxy)-4-phenoxybutyne (prepn. given) was dissolved in toluene, treated with BuLi in hexane at 0.degree. and then with Et2AlCl in hexane at room temp. for 20 min, and successively coupled with (4R)-2-(N,N-dimethylaminomethyl)-4-(tert-butyldimethylsilyloxy)cyclopent-2-en-1-one in toluene at room temp. and with Me 6-iodo-4-hexynoate in the presence of Bu3SnH and azobisisobutyronitrile in benzene at 80.degree. to give, after desilylation with HF in aq. THF, title compd. I (A-R = OMe), namely 16-phenoxy-17,18,19,20-tetranor-4,4,5,5,13,14-hexahydro-PGE1 Me ester (II). II in vitro inhibited 49.5% the binding of [3H]PGE2 to the PGE2 receptor prepn from P815 cells.

L12 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2002 ACS
TI Preparation of prostaglandin E1 analogs as ulcer inhibitors
AN 1995:408387 CAPLUS
DN 122:187241
TI Preparation of prostaglandin E1 analogs as ulcer inhibitors
IN Sato, Fumie; Amano, Takehiro; Kameo, Kazuya; Tanami, Tohru; Mutoh, Masaru;
Ono, Naoya; Goto, Jun
PA Taisho Pharmaceutical Co., Ltd., Japan
SO PCT Int. Appl., 49 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9408960	A1	19940428	WO 1993-JP1506	19931020
W: AU, CA, KR, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
			JP 1992-281923	19921020
			JP 1993-79487	19930406
JP 07025847	A2	19950127	JP 1993-256185	19931013
			JP 1992-281923	19921020
			JP 1993-79487	19930406
AU 9352854	A1	19940509	AU 1993-52854	19931020
			JP 1992-281923	19921020
			JP 1993-79487	19930406
			WO 1993-JP1506	19931020

OS MARPAT 122:187241
GI



I

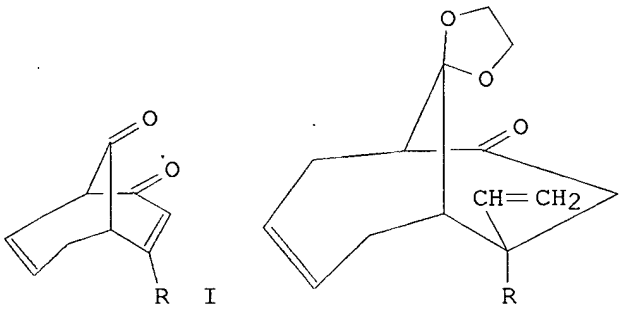
AB The title compds. I [A = vinylene, etc.; R1 = H, alkyl, cycloalkyl] are prepd. (2E)-16-Phenoxy-2,3,13,14-tetradehydro-17,18,19,20-tetranol prostaglandin E1 Me ester (II) was prepd. in several steps from

(4R)-2-(N,N-diethylamino)methyl-4-(tert-butyldimethylsiloxy)cyclopent-2-en-1-one. II at 30 .mu.g/Kg orally gave 86.1% inhibition of HCl-induced stomach ulcer in rats, vs. 77.5% inhibition of ulcer by prostaglandin E2 at 30 .mu.g/Kg orally.

L12 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2002 ACS

TI Reductions and radical cyclizations of aryl and alkyl bromides mediated by
NaBH4 in aqueous base
AN 1995:58785 CAPLUS
DN 122:238829
TI Reductions and radical cyclizations of aryl and alkyl bromides mediated by
NaBH4 in aqueous base
AU Rai, Roopa; Collum, David B.
CS Dep. Chem., Cornell Univ., Ithaca, NY, 14853-1301, USA
SO Tetrahedron Letters (1994), 35(34), 6221-4
CODEN: TELEAY; ISSN: 0040-4039
DT Journal
LA English
OS CASREACT 122:238829
AB Redns. and free radical cyclizations of alkyl and aryl bromides are effected in aq. base by NaBH4 in conjunction with a base-sol. dialkyltin(IV) reagent and 4,4'-azobis(4-cyanovaleric acid) (ACVA). The aryl bromides reduce at lower rates under tin-free conditions using simply
NaBH4-ACVA.

L12 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2002 ACS
TI Synthesis of some polyfunctionalized bicyclo[3.3.1]nonane-2,9-diones and bicyclo[4.3.1]decane-2,10-diones
AN 1981:157099 CAPLUS
DN 94:157099
TI Synthesis of some polyfunctionalized bicyclo[3.3.1]nonane-2,9-diones and bicyclo[4.3.1]decane-2,10-diones
AU Harding, Kenn E.; Clement, Beverly A.; Moreno, Louis; Peter-Katalinic, Jasna
CS Dep. Chem., Texas A and M Univ., College Station, TX, 77843, USA
SO J. Org. Chem. (1981), 46(5), 940-8
CODEN: JOCEAH; ISSN: 0022-3263
DT Journal
LA English
GI



AB Bicyclo[4.3.1]dec-7-ene-2,10-diones I (R = H, Me, CH2OMe, CH2OCH2CH:CH2, CH2OPh) were prepd. by treatment of 4-(1,4-cycloheptadien-1-yl)morpholine

with RCH:CHCOCl, followed by bromination-dehydrobromination, ketalization,
and treatment with a cuprate reagent to give II, which were useful as synthons for elemanolide sesquiterpenes.

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	17.55	140.18

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-3.10	-5.58

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 08:26:38 ON 02 OCT 2002

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspta1623paz

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2	Apr 08	"Ask CAS" for self-help around the clock
NEWS 3	Apr 09	BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS 4	Apr 09	ZDB will be removed from STN
NEWS 5	Apr 19	US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS 6	Apr 22	Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS 7	Apr 22	BIOSIS Gene Names now available in TOXCENTER
NEWS 8	Apr 22	Federal Research in Progress (FEDRIP) now available
NEWS 9	Jun 03	New e-mail delivery for search results now available
NEWS 10	Jun 10	MEDLINE Reload
NEWS 11	Jun 10	PCTFULL has been reloaded
NEWS 12	Jul 02	FOREGE no longer contains STANDARDS file segment
NEWS 13	Jul 22	USAN to be reloaded July 28, 2002; saved answer sets no longer valid
NEWS 14	Jul 29	Enhanced polymer searching in REGISTRY
NEWS 15	Jul 30	NETFIRST to be removed from STN
NEWS 16	Aug 08	CANCERLIT reload
NEWS 17	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 18	Aug 08	NTIS has been reloaded and enhanced
NEWS 19	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS 20	Aug 19	IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS 21	Aug 19	The MEDLINE file segment of TOXCENTER has been reloaded
NEWS 22	Aug 26	Sequence searching in REGISTRY enhanced

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 NEWS 23   Sep 03   JAPIO has been reloaded and enhanced
 NEWS 24   Sep 16   Experimental properties added to the REGISTRY file
 NEWS 25   Sep 16   Indexing added to some pre-1967 records in CA/CAPLUS
 NEWS 26   Sep 16   CA Section Thesaurus available in CAPLUS and CA
 NEWS 27   Oct 01   CASREACT Enriched with Reactions from 1907 to 1985

 NEWS EXPRESS  February 1 CURRENT WINDOWS VERSION IS V6.0d,
               CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP),
               AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002
 NEWS HOURS    STN Operating Hours Plus Help Desk Availability
 NEWS INTER    General Internet Information
 NEWS LOGIN    Welcome Banner and News Items
 NEWS PHONE    Direct Dial and Telecommunication Network Access to STN
 NEWS WWW      CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
specific topic.

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FILE 'HOME' ENTERED AT 08:53:56 ON 09 OCT 2002


Connecting via Winsock to STN



Welcome to STN International!  Enter x:x

LOGINID:ssspta1623paz

PASSWORD:
 * * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'REGISTRY' AT 08:55:13 ON 09 OCT 2002
FILE 'REGISTRY' ENTERED AT 08:55:13 ON 09 OCT 2002
COPYRIGHT (C) 2002 American Chemical Society (ACS)
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     0.38       0.59

=>
Uploading 10025947 final action general.str

L1      STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1              STR
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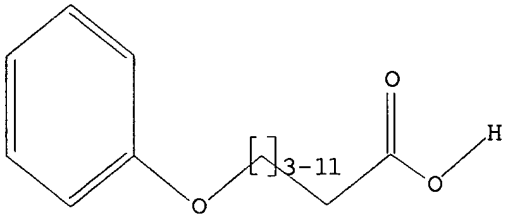


Structure attributes must be viewed using STN Express query preparation.

=> search l1 sss sam
SAMPLE SEARCH INITIATED 08:56:00 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 2086 TO ITERATE

47.9% PROCESSED 1000 ITERATIONS 3 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 38981 TO 44459
PROJECTED ANSWERS: 3 TO 275

L2 3 SEA SSS SAM L1

=> d scan

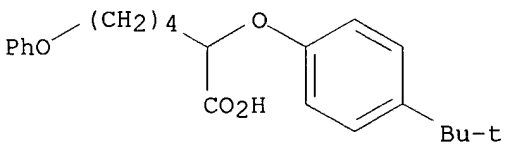
L2 3 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Undecanoic acid, 11-phenoxy-, ion(1-) (9CI)
MF C17 H25 O3
CI COM

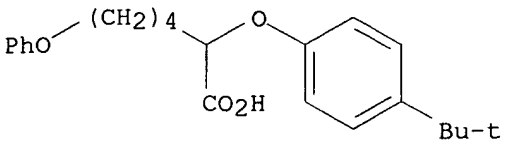
$^{-}O_2C-(CH_2)_{10}-OPh$

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):3

L2 3 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Hexanoic acid, 2-[4-(1,1-dimethylethyl)phenoxy]-6-phenoxy-, (-)- (9CI)
MF C22 H28 O4

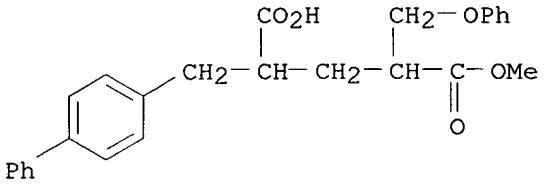
Rotation (-).





PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 3 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Pentanedioic acid, 2-([1,1'-biphenyl]-4-ylmethyl)-4-(phenoxymethyl)-, 5-methyl ester (9CI)
MF C26 H26 O5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

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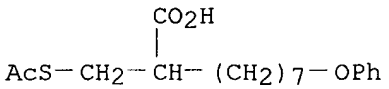
FULL SEARCH INITIATED 08:56:59 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 40146 TO ITERATE

100.0% PROCESSED 40146 ITERATIONS 143 ANSWERS
SEARCH TIME: 00.00.03

L3 143 SEA SSS FUL L1

=> d scan

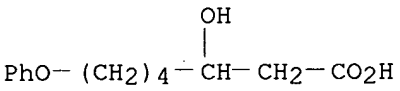
L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Nonanoic acid, 2-[(acetylthio)methyl]-9-phenoxy- (9CI)
MF C18 H26 O4 S



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):30

L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Heptanoic acid, 3-hydroxy-7-phenoxy- (9CI)
MF C13 H18 O4
CI COM

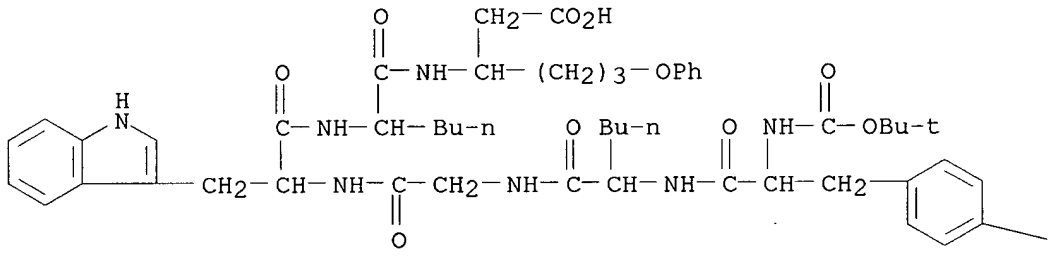


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN L-Norleucinamide, N-[(1,1-dimethylethoxy)carbonyl]-L-tyrosyl-L-norleucylglycyl-D-tryptophyl-N-[1-(carboxymethyl)-4-phenoxybutyl]-, (S)-(9CI)
SQL 6
MF C51 H69 N7 O11

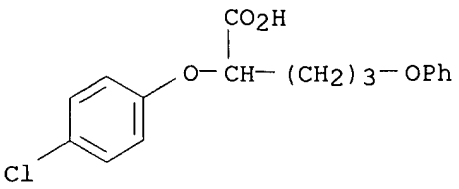
RELATED SEQUENCES AVAILABLE WITH SEQLINK

PAGE 1-A



PAGE 1-B

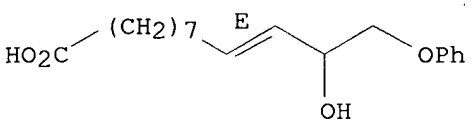
L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Pentanoic acid, 2-(4-chlorophenoxy)-5-phenoxy- (9CI)
MF C17 H17 Cl O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

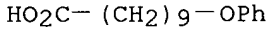
L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 9-Dodecenoic acid, 11-hydroxy-12-phenoxy-, (E)- (9CI)
MF C18 H26 O4

Double bond geometry as shown.



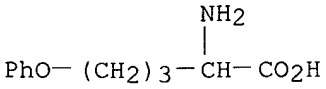
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Decanoic acid, 10-phenoxy- (7CI, 8CI, 9CI)
MF C16 H24 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

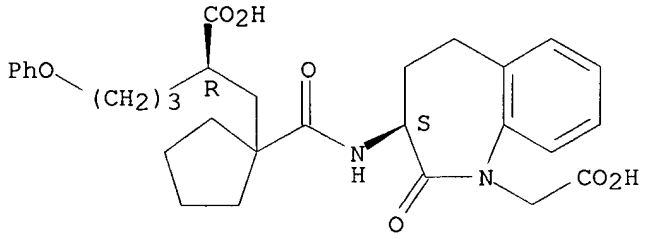
L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Norvaline, 5-phenoxy- (9CI)
MF C11 H15 N O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

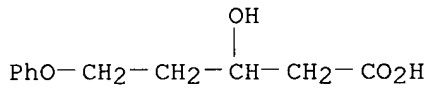
L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 1H-1-Benzazepine-1-acetic acid, 3-[[[1-(2-carboxy-5-phenoxypentyl)cyclopentyl]carbonyl]amino]-2,3,4,5-tetrahydro-2-oxo-, (R*,S*)- (9CI)
MF C30 H36 N2 O7

Relative stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

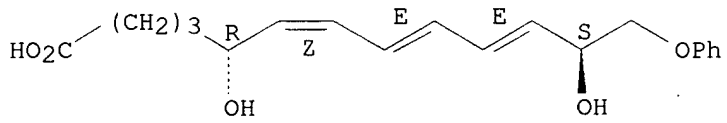
L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Pentanoic acid, 3-hydroxy-5-phenoxy- (9CI)
MF C11 H14 O4
CI COM



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

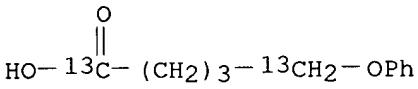
L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 6,8,10-Tridecatrienoic acid, 5,12-dihydroxy-13-phenoxy-, [S-[R*,S*-(E,Z,E)]]- (9CI)
MF C19 H24 O5

Absolute stereochemistry.
Double bond geometry as shown.

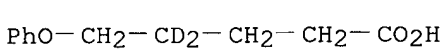


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Pentanoic-1,5-13C2 acid, 5-phenoxy- (9CI)
MF C11 H14 O3

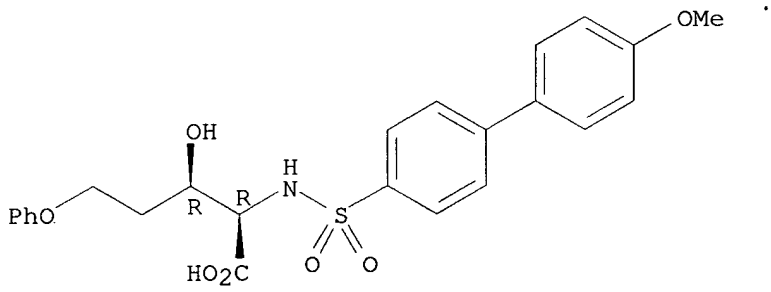


L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Valeric-4,4-d2 acid, 5-phenoxy- (8CI)
MF C11 H12 D2 O3



L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN D-Norvaline, 3-hydroxy-N-[(4'-methoxy[1,1'-biphenyl]-4-yl)sulfonyl]-5-phenoxy-, (3R)- (9CI)
MF C24 H25 N O7 S

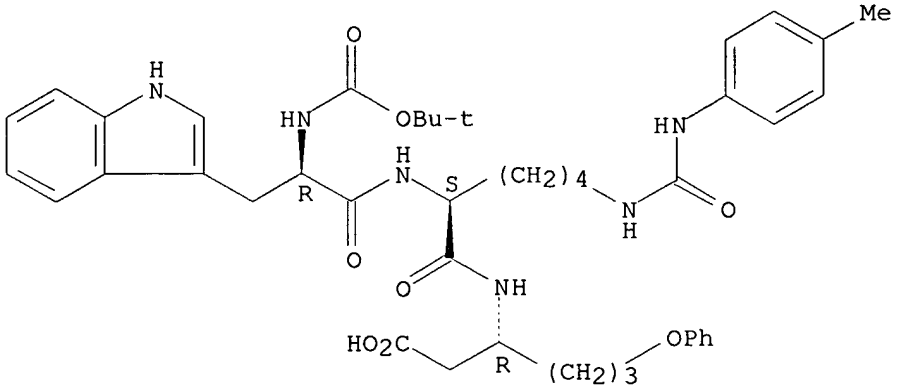
Absolute stereochemistry.



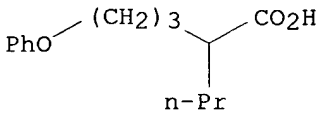
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN L-Lysinamide, N-[(1,1-dimethylethoxy)carbonyl]-D-tryptophyl-N-[(1R)-1-(carboxymethyl)-4-phenoxybutyl]-N6-[[(4-methylphenyl)amino]carbonyl]- (9CI)
MF C42 H54 N6 O8

Absolute stereochemistry.



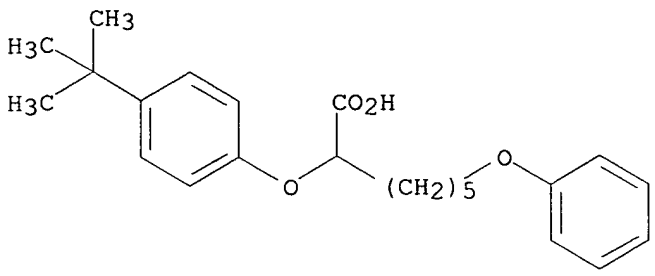
L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Pentanoic acid, 5-phenoxy-2-propyl- (9CI)
MF C14 H20 O3
CI COM



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Heptanoic acid, 2-[4-(1,1-dimethylethyl)phenoxy]-7-phenoxy-, sodium salt, (+)- (9CI)
MF C23 H30 O4 . Na

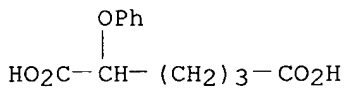
Rotation (+).



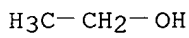
● Na

L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Hexanedioic acid, 2-phenoxy-, ethyl ester (7CI)
MF C14 H18 O5
CI IDS

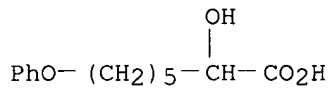
CM 1



CM 2



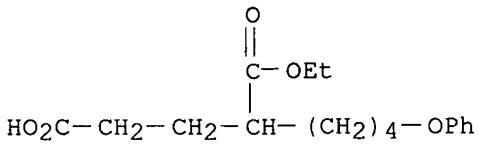
L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Heptanoic acid, 2-hydroxy-7-phenoxy- (8CI)
MF C13 H18 O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Pentanedioic acid, 2-(4-phenoxybutyl)-, 1-ethyl ester (9CI)

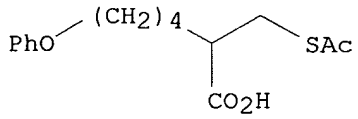
MF C17 H24 O5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Hexanoic acid, 2-[(acetylthio)methyl]-6-phenoxy-, (+)- (9CI)
MF C15 H20 O4 S
CI COM

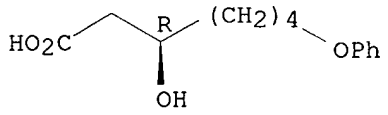
Rotation (+).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Heptanoic acid, 3-hydroxy-7-phenoxy-, (R)- (9CI)
MF C13 H18 O4
CI COM

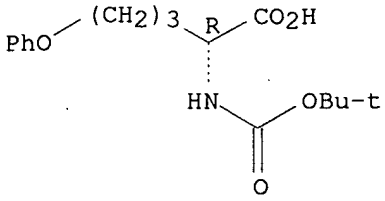
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN D-Norvaline, N-[(1,1-dimethylethoxy)carbonyl]-5-phenoxy- (9CI)
MF C16 H23 N O5

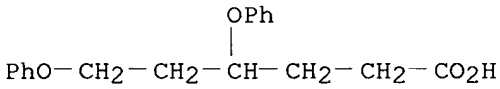
Absolute stereochemistry.



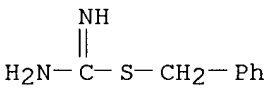
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Hexanoic acid, 4,6-diphenoxy-, compd. with 2-benzyl-2-thiopseudourea (6CI)
MF C18 H20 O4 . C8 H10 N2 S

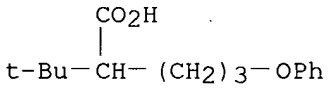
CM 1



CM 2

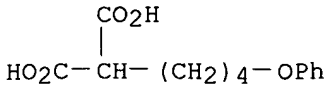


L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Pentanoic acid, 2-(1,1-dimethylethyl)-5-phenoxy- (9CI)
MF C15 H22 O3



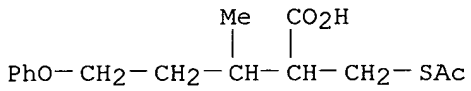
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Propanedioic acid, (4-phenoxybutyl)- (9CI)
MF C13 H16 O5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

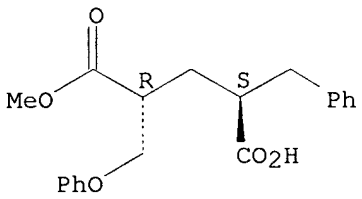
L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Pentanoic acid, 2-[(acetylthio)methyl]-3-methyl-5-phenoxy- (9CI)
MF C15 H20 O4 S



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Pentanedioic acid, 2-(phenoxymethyl)-4-(phenylmethyl)-, 1-methyl ester, [R-(R*,S*)]- (9CI)
MF C20 H22 O5

Absolute stereochemistry.

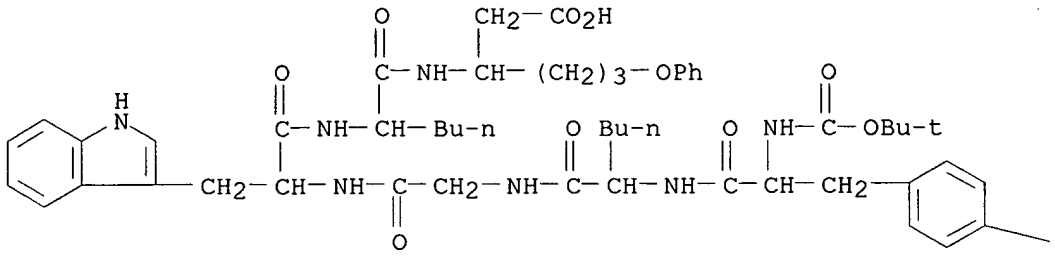


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

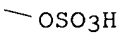
L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN L-Norleucinamide, N-[(1,1-dimethylethoxy)carbonyl]-O-sulfo-L-tyrosyl-L-norleucylglycyl-L-tryptophyl-N-[1-(carboxymethyl)-4-phenoxybutyl]-, (R)- (9CI)
SQL 6
MF C51 H69 N7 O14 S

RELATED SEQUENCES AVAILABLE WITH SEQLINK

PAGE 1-A

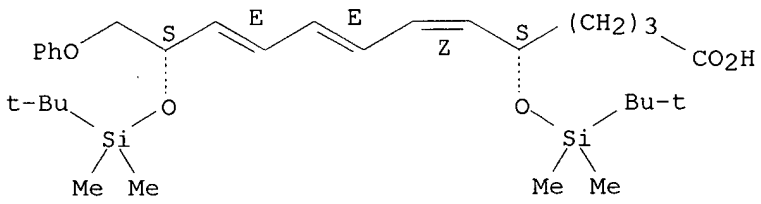


PAGE 1-B



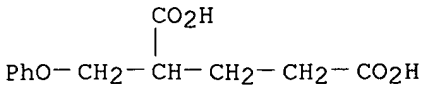
L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 6,8,10-Tridecatrienoic acid, 5,12-bis[[(1,1-dimethylethyl)dimethylsilyl]oxy]-13-phenoxy-, [S-[R*,R*-(E,Z,E)]]- (9CI)
MF C31 H52 O5 Si2

Absolute stereochemistry.
Double bond geometry as shown.



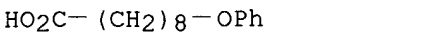
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Pentanedioic acid, 2-(phenoxymethyl)- (9CI)
MF C12 H14 O5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

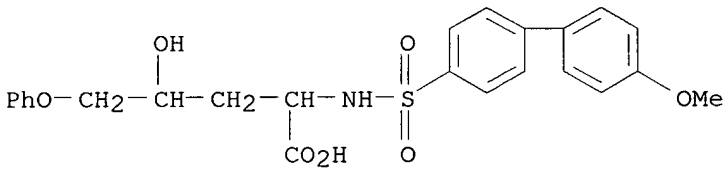
L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Nonanoic acid, 9-phenoxy- (7CI, 8CI, 9CI)
MF C15 H22 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

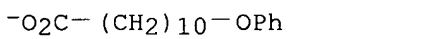
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):40

L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Norvaline, 4-hydroxy-N-[(4'-methoxy[1,1'-biphenyl]-4-yl)sulfonyl]-5-phenoxy- (9CI)
MF C24 H25 N O7 S



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

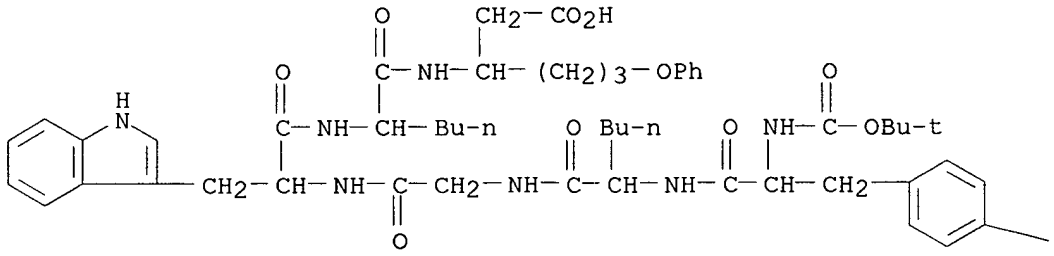
L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Undecanoic acid, 11-phenoxy-, ion(1-) (9CI)
MF C17 H25 O3
CI COM



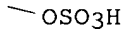
L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN L-Norleucinamide, N-[(1,1-dimethylethoxy)carbonyl]-O-sulfo-L-tyrosyl-L-norleucylglycyl-D-tryptophyl-N-[1-(carboxymethyl)-4-phenoxybutyl]-, (R)-

(9CI)
SQL 6
MF C51 H69 N7 O14 S

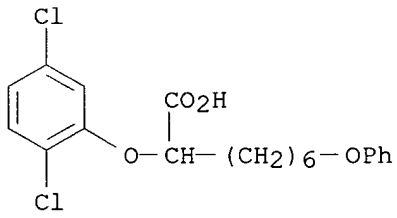
PAGE 1-A



PAGE 1-B

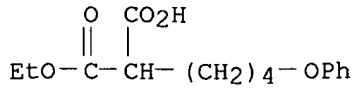


L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Octanoic acid, 2-(2,5-dichlorophenoxy)-8-phenoxy- (9CI)
MF C20 H22 Cl2 O4



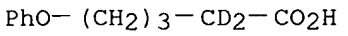
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Propanedioic acid, (4-phenoxybutyl)-, monoethyl ester (9CI)
MF C15 H20 O5



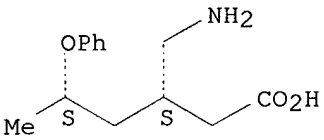
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Valeric-2,2-d2 acid, 5-phenoxy- (8CI)
MF C11 H12 D2 O3



L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Hexanoic acid, 3-(aminomethyl)-5-phenoxy-, (3S,5S)- (9CI)
MF C13 H19 N O3

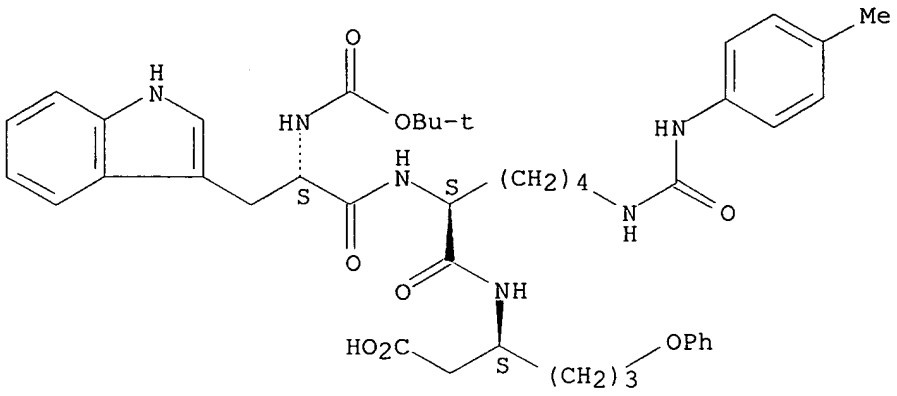
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

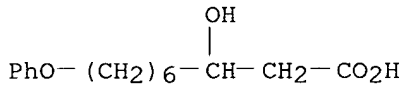
L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN L-Lysinamide, N-[(1,1-dimethylethoxy)carbonyl]-L-tryptophyl-N6-[[(4-methylphenyl)amino]carbonyl]-N-[(1S)-1-(carboxymethyl)-4-phenoxybutyl]- (9CI)
MF C42 H54 N6 O8

Absolute stereochemistry.

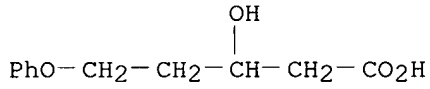


L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Nonanoic acid, 3-hydroxy-9-phenoxy-, polymer with 3-hydroxy-5-phenoxypentanoic acid (9CI)
MF (C15 H22 O4 . C11 H14 O4)x
CI PMS

CM 1

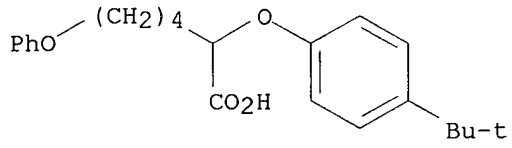


CM 2



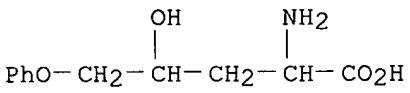
L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Hexanoic acid, 2-[4-(1,1-dimethylethyl)phenoxy]-6-phenoxy-, (-)- (9CI)
MF C22 H28 O4

Rotation (-).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

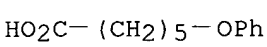
L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Norvaline, 4-hydroxy-5-phenoxy- (7CI)
MF C11 H15 N O4



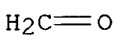
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Hexanoic acid, 6-phenoxy-, polymer with formaldehyde (8CI, 9CI)
MF (C12 H16 O3 . C H2 O)x
CI PMS

CM 1



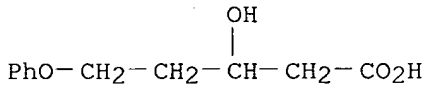
CM 2



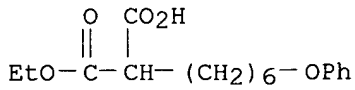
L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Pentanoic acid, 3-hydroxy-5-phenoxy-, homopolymer (9CI)
MF (C11 H14 O4)x
CI PMS

RELATED POLYMERS AVAILABLE WITH POLYLINK

CM 1

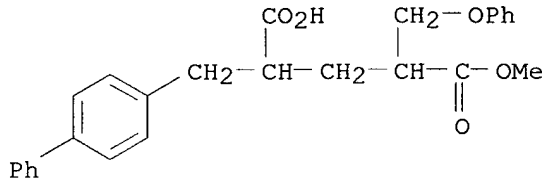


L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Propanedioic acid, (6-phenoxyhexyl)-, monoethyl ester (9CI)
MF C17 H24 O5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

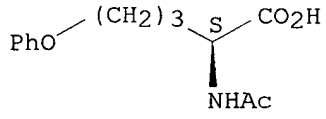
L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Pentanedioic acid, 2-([1,1'-biphenyl]-4-ylmethyl)-4-(phenoxymethyl)-, 5-methyl ester (9CI)
MF C26 H26 O5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

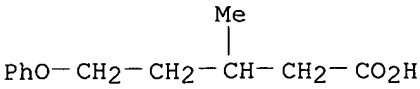
L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN L-Norvaline, N-acetyl-5-phenoxy- (9CI)
MF C13 H17 N O4

Absolute stereochemistry.



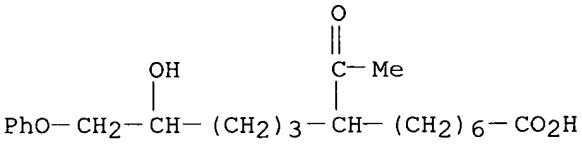
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Valeric acid, 3-methyl-5-phenoxy- (6CI)
MF C12 H16 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Tridecanoic acid, 8-acetyl-12-hydroxy-13-phenoxy- (9CI)
MF C21 H32 O5

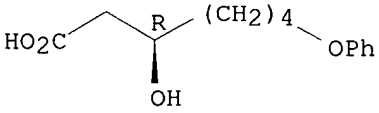


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Dodecenoic acid, 3-hydroxy-, (3R)-, polymer with (3R)-3-hydroxybutanoic acid, (3R)-3-hydroxydecanoic acid, (3R)-3-hydroxydodecanoic acid, (3R)-3-hydroxyhexanoic acid, (3R)-3-hydroxyoctanoic acid, (3R)-3-hydroxy-7-phenoxyheptanoic acid and (3R)-3-hydroxy-5-phenoxypentanoic acid, isotactic (9CI)
MF (C13 H18 O4 . C12 H24 O3 . C12 H22 O3 . C11 H14 O4 . C10 H20 O3 . C8 H16 O3 . C6 H12 O3 . C4 H8 O3)x
CI PMS

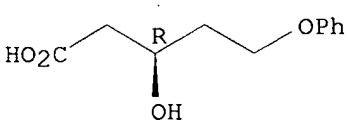
CM 1

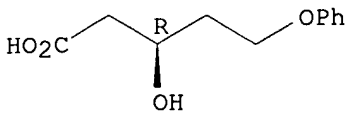
Absolute stereochemistry.



CM 2

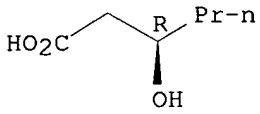
Absolute stereochemistry.





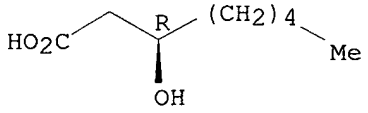
CM 3

Absolute stereochemistry.



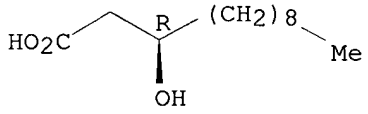
CM 4

Absolute stereochemistry.



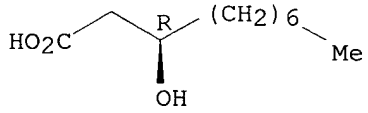
CM 5

Absolute stereochemistry. Rotation (-).



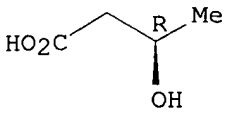
CM 6

Absolute stereochemistry. Rotation (-).



CM 7

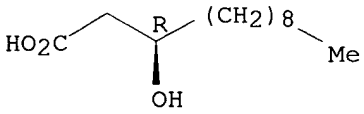
Absolute stereochemistry.



CM 8

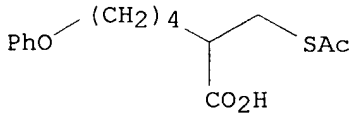
CM 9

Absolute stereochemistry. Rotation (-).



L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Hexanoic acid, 2-[(acetylthio)methyl]-6-phenoxy-, (-)- (9CI)
MF C15 H20 O4 S
CI COM

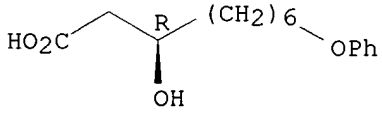
Rotation (-).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Nonanoic acid, 3-hydroxy-9-phenoxy-, (R)- (9CI)
MF C15 H22 O4

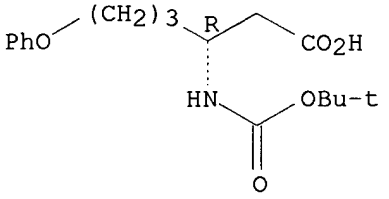
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

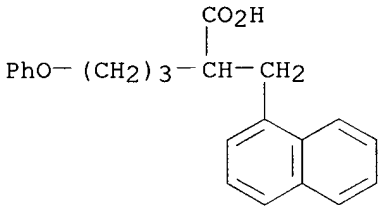
L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Hexanoic acid, 3-[[(1,1-dimethylethoxy)carbonyl]amino]-6-phenoxy-, (R)- (9CI)
MF C17 H25 N O5

Absolute stereochemistry.



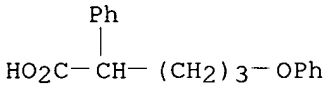
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 1-Naphthalenepropanoic acid, .alpha.-(3-phenoxypropyl)- (9CI)
MF C22 H22 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

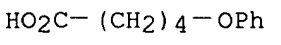
L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Benzeneacetic acid, .alpha.-(3-phenoxypropyl)- (9CI)
MF C17 H18 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

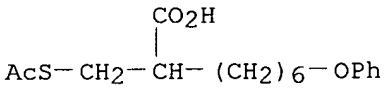
L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Pentanoic acid, 5-phenoxy- (9CI)

MF C11 H14 O3
CI COM



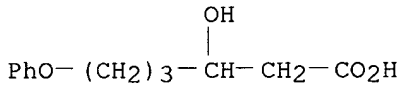
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Octanoic acid, 2-[(acetylthio)methyl]-8-phenoxy- (9CI)
MF C17 H24 O4 S



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Hexanoic acid, 3-hydroxy-6-phenoxy- (9CI)
MF C12 H16 O4
CI COM

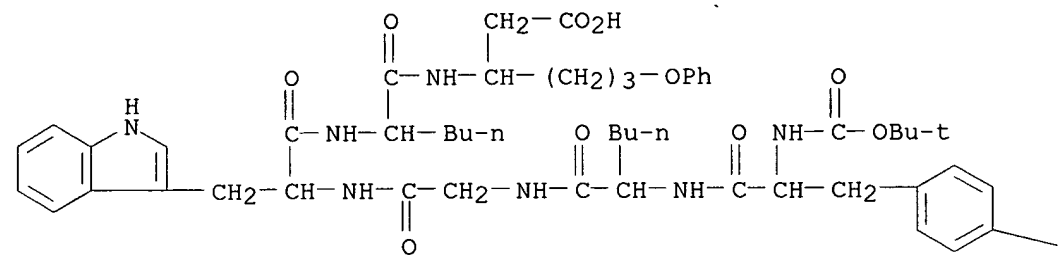


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN L-Norleucinamide, N-[(1,1-dimethylethoxy)carbonyl]-L-tyrosyl-L-norleucylglycyl-D-tryptophyl-N-[1-(carboxymethyl)-4-phenoxybutyl]-, (R)- (9CI)
SQL 6
MF C51 H69 N7 O11

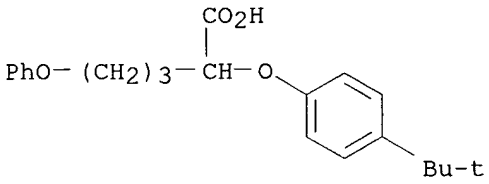
RELATED SEQUENCES AVAILABLE WITH SEQLINK

PAGE 1-A



PAGE 1-B

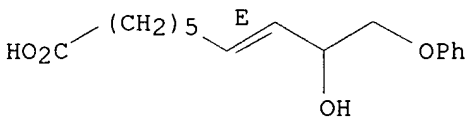
L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Pentanoic acid, 2-[4-(1,1-dimethylethyl)phenoxy]-5-phenoxy- (9CI)
MF C21 H26 O4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

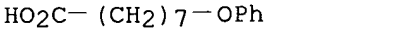
L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN 7-Decenoic acid, 9-hydroxy-10-phenoxy-, (E)- (9CI)
MF C16 H22 O4

Double bond geometry as shown.



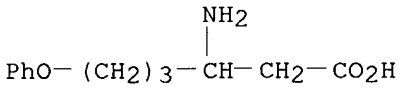
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Octanoic acid, 8-phenoxy- (7CI, 8CI, 9CI)
MF C14 H20 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

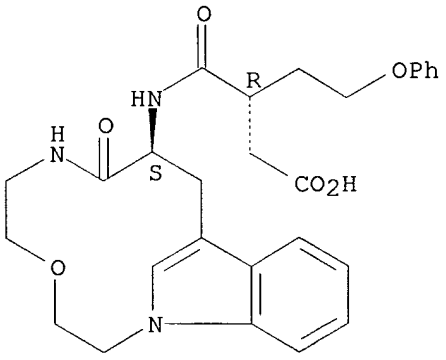
L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Hexanoic acid, 3-amino-6-phenoxy- (9CI)
MF C12 H17 N O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

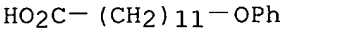
L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Pentanoic acid, 3-[[[(9S)-2,3,5,6,7,8,9,10-octahydro-8-oxo-1,11-metheno-4,1,7-benzoxadiazacyclotridecin-9-yl]amino]carbonyl]-5-phenoxy-, (3R)-(9CI)
MF C27 H31 N3 O6

Absolute stereochemistry.



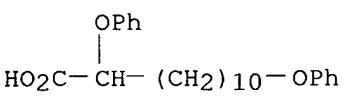
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Dodecanoic acid, 12-phenoxy- (9CI)
MF C18 H28 O3



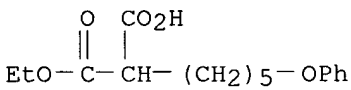
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Dodecanoic acid, 2,12-diphenoxy- (9CI)
MF C24 H32 O4



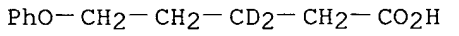
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Propanedioic acid, (5-phenoxypentyl)-, monoethyl ester (9CI)
MF C16 H22 O5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

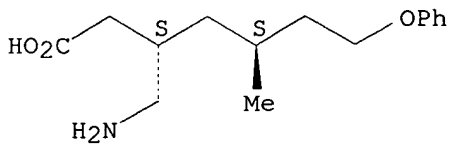
L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Valeric-3,3-d2 acid, 5-phenoxy- (8CI)
MF C11 H12 D2 O3



L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Heptanoic acid, 3-(aminomethyl)-5-methyl-7-phenoxy-, (3S,5S)- (9CI)

MF C15 H23 N O3

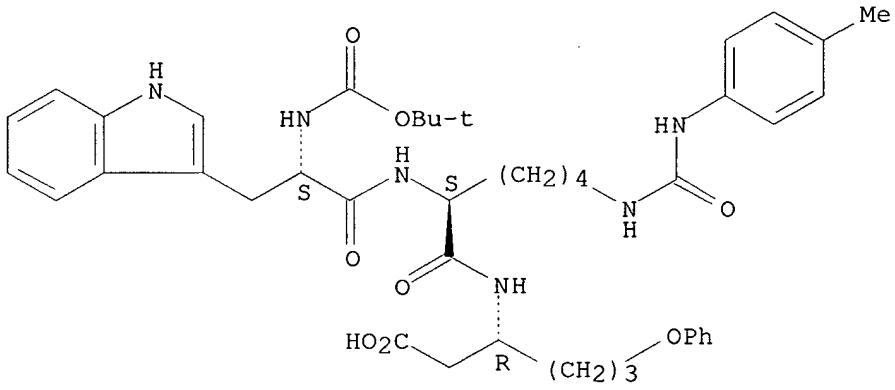
Absolute stereochemistry.



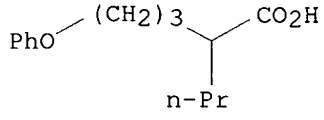
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN L-Lysinamide, N-[(1,1-dimethylethoxy)carbonyl]-L-tryptophyl-N-[(1R)-1-(carboxymethyl)-4-phenoxybutyl]-N6-[[(4-methylphenyl)amino]carbonyl]-(9CI)
MF C42 H54 N6 O8

Absolute stereochemistry.



L3 143 ANSWERS REGISTRY COPYRIGHT 2002 ACS
IN Pentanoic acid, 5-phenoxy-2-propyl-, sodium salt (9CI)
MF C14 H20 O3 . Na



Na

```
HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> e  Octanoic acid, 8-phenoxy- /cn
E1            1     OCTANOIC ACID, 8-P-TOLUOYL-/CN
E2            1     OCTANOIC ACID, 8-P-TOLYL-/CN
E3            1 --> OCTANOIC ACID, 8-PHENOXY-/CN
E4            1     OCTANOIC ACID, 8-PHENYL-/CN
E5            1     OCTANOIC ACID, 8-PHENYL-, 2-FLUOROETHYL ESTER/CN
E6            1     OCTANOIC ACID, 8-PHENYL-, METHYL ESTER/CN
E7            1     OCTANOIC ACID, 8-PHENYL-, P-CHLOROBENZYL ESTER/CN
E8            1     OCTANOIC ACID, 8-PHENYL-, SODIUM SALT/CN
E9            1     OCTANOIC ACID, 8-PHENYL-2-METHYL-/CN
E10           1     OCTANOIC ACID, 8-PURIN-6-YLAMINO-/CN
E11           1     OCTANOIC ACID, 8-QUINOLINYL ESTER/CN
E12           1     OCTANOIC ACID, 8-QUINOLINYL ESTER, HYDROCHLORIDE/CN

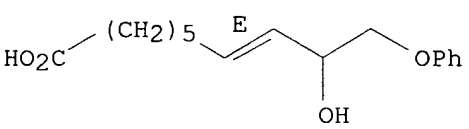
=> e 7-Decenoic acid, 9-hydroxy-10-phenoxy-, (E)-/cn
E1            1     7-DECENOIC ACID, 6-OXO-/CN
E2            1     7-DECENOIC ACID, 6-OXO-, ETHYL ESTER/CN
E3            1 --> 7-DECENOIC ACID, 9-HYDROXY-10-PHENOXY-, (E)-/CN
E4            1     7-DECENOIC ACID, 9-HYDROXY-10-PHENOXY-, (E)-(.+-.)-/CN
E5            1     7-DECENOIC ACID, 9-HYDROXY-10-PHENYL-, (E)-/CN
E6            1     7-DECENOIC ACID, 9-HYDROXY-10-PHENYL-, (E)-(.+-.)-/CN
E7            1     7-DECENOIC ACID, 9-METHYL-/CN
E8            1     7-DECENOIC ACID, 9-METHYL-,
(4-HYDROXY-3-METHOXYPHENYL)METHY
                    L ESTER, (7E)-/CN
E9            1     7-DECENOIC ACID, 9-METHYL-, (E)-/CN
E10           1     7-DECENOIC ACID, 9-METHYL-, METHYL ESTER, (E)-/CN
E11           1     7-DECENOIC ACID, 9-METHYL-, METHYL ESTER, (Z)-/CN
E12           1     7-DECENOIC ACID, 9-OXO-10-PHENOXY-, (E)-/CN

=> e3
L4            1 "7-DECENOIC ACID, 9-HYDROXY-10-PHENOXY-, (E)-"/CN

=> d l4

L4   ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2002 ACS
RN   72039-08-8  REGISTRY
CN   7-Decenoic acid, 9-hydroxy-10-phenoxy-, (E)- (9CI)  (CA INDEX
     NAME)
OTHER CA INDEX NAMES:
CN   7-Decenoic acid, 9-hydroxy-10-phenoxy-, (E)-(.+-.)-
FS   STEREOSEARCH
MF   C16 H22 O4
LC   STN Files:   CA, CAPLUS, USPATFULL

Double bond geometry as shown.
```



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1962 TO DATE)
1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	149.28	149.49

FILE 'CAPLUS' ENTERED AT 09:00:27 ON 09 OCT 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 9 Oct 2002 VOL 137 ISS 15
FILE LAST UPDATED: 7 Oct 2002 (20021007/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> l4
L5 1 L4

=> d l5 ti fbib abs

L5 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS
TI Insecticidal and pharmaceutical ethylene derivatives
AN 1979:611090 CAPLUS
DN 91:211090
TI Insecticidal and pharmaceutical ethylene derivatives
IN Broughton, Barbara Joyce; Caton, Michael Peter Lear; Hambling, David John
PA May and Baker Ltd., UK
SO Brit. UK Pat. Appl., 17 pp.
CODEN: BAXXDU
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

PI	GB 2005271	A	19790419	GB 1978-39164	19781003
				GB 1977-41483	19771005
	JP 54063033	A2	19790521	JP 1978-122489	19781003
				GB 1977-41483	19771005
	FR 2405235	A1	19790504	FR 1978-28392	19781004
				GB 1977-41483	19771005
	DE 2843491	A1	19790426	DE 1978-2843491	19781005
				GB 1977-41483	19771005
	US 4371516	A	19830201	US 1981-284025	19810717
				GB 1977-41483	19761006
				US 1977-837345	19770928

AB The prepn. is described of RZCH:CHZ1Z2R1 [I; R = CH2OH, CO2H; Z = C4-8 straight-chain alkylene; Z1 = CO, CH(OH); Z2 = C1-5 alkylene; R1 = Ph, PhO, PhS optionally substituted by halo, C1-4 alkyl or alkoxy]. Thus, trans-HO(CH2)6CH:CHCOCH2OPh was prepd. from HO(CH2)6CHO by treatment with Ph3P:CHCOCH2OPh in (Me2N)3PO (steam bath, N, 3 days). I are useful as insecticides and acaricides. I also modify or synchronize functions of female mammalian reproductive systems. The pesticidal activities of I were assessed against houseflies, ticks, and mosquitoes. Pesticidal compns. contg. I are described. I terminated pregnancy in hamsters (ED50 0.15-4.0 mg/kg) and stimulated uterine contraction in rats.

```
=> l3
L6          106 L3

=> save temp l6 unsatcmpds/a
ANSWER SET L6 HAS BEEN SAVED AS 'UNSATCMPDS/A'

=> file reg
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     5.06     154.55

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                    -0.62      -0.62

FILE 'REGISTRY' ENTERED AT 09:04:24 ON 09 OCT 2002
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provided by InfoChem.

STRUCTURE FILE UPDATES:    7 OCT 2002  HIGHEST RN 459783-15-4
DICTIONARY FILE UPDATES:   7 OCT 2002  HIGHEST RN 459783-15-4

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

Crossover limits have been increased.  See HELP CROSSOVER for details.

Experimental and calculated property data are now available.  See HELP
PROPERTIES for more information.  See STNote 27, Searching Properties
```

in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

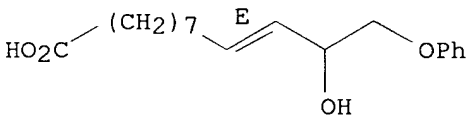
```
=> e 9-Dodecenoic acid, 11-hydroxy-12-phenoxy-, (E)-/cn
E1            1     9-DODECENOIC ACID, 11-HYDROXY-12-OXO-/CN
E2            1     9-DODECENOIC ACID, 11-HYDROXY-12-OXO-, (9Z)-/CN
E3            1 --> 9-DODECENOIC ACID, 11-HYDROXY-12-PHENOXY-, (E)-/CN
E4            1     9-DODECENOIC ACID, 11-HYDROXY-12-PHENOXY-, (E)-(.+-.)-/CN
E5            1     9-DODECENOIC ACID,
11-HYDROXY-7-((2-METHOXYETHOXY)METHOXY)-/
                    CN
E6            1     9-DODECENOIC ACID, 11-METHYL-, (E)-/CN
E7            1     9-DODECENOIC ACID, 11-METHYL-, (Z)-/CN
E8            1     9-DODECENOIC ACID, 11-METHYL-, ETHYL ESTER, (Z)-/CN
E9            1     9-DODECENOIC ACID, 11-METHYL-, METHYL ESTER, (Z)-/CN
E10           1     9-DODECENOIC ACID, 11-OXO-12-PHENOXY-, (E)-/CN
E11           1     9-DODECENOIC ACID, 12,12-DIMETHOXY-, METHYL ESTER/CN
E12           1     9-DODECENOIC ACID, 12,12-DIMETHOXY-, METHYL ESTER, (E)-/CN

=> e3
L7            1 "9-DODECENOIC ACID, 11-HYDROXY-12-PHENOXY-, (E)-"/CN

=> d l7

L7   ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2002 ACS
RN   72039-09-9  REGISTRY
CN   9-Dodecenoic acid, 11-hydroxy-12-phenoxy-, (E)- (9CI)  (CA INDEX
     NAME)
OTHER CA INDEX NAMES:
CN   9-Dodecenoic acid, 11-hydroxy-12-phenoxy-, (E)-(.+-.)-
FS   STEREOSEARCH
MF   C18 H26 O4
LC   STN Files:   CA, CAPLUS, USPATFULL

Double bond geometry as shown.
```




```
**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

               1 REFERENCES IN FILE CA (1962 TO DATE)
               1 REFERENCES IN FILE CAPLUS (1962 TO DATE)


=> file caplus
COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
                                                  ENTRY    SESSION
FULL ESTIMATED COST                                5.96     160.51

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)      SINCE FILE      TOTAL
                                                  ENTRY    SESSION
CA SUBSCRIBER PRICE                                0.00      -0.62
```

FILE 'CAPLUS' ENTERED AT 09:04:49 ON 09 OCT 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 9 Oct 2002 VOL 137 ISS 15
FILE LAST UPDATED: 7 Oct 2002 (20021007/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> l7 ti fbib abs
MISSING OPERATOR L7 TI
The search profile that was entered contains terms or nested terms that are not separated by a logical operator.

=> d l7 ti fbib abs
YOU HAVE REQUESTED DATA FROM FILE 'REGISTRY' - CONTINUE? (Y)/N:n

=> l7
L8 1 L7

=> d l8 ti fbib abs

L8 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS
TI Insecticidal and pharmaceutical ethylene derivatives
AN 1979:611090 CAPLUS
DN 91:211090
TI Insecticidal and pharmaceutical ethylene derivatives
IN Broughton, Barbara Joyce; Caton, Michael Peter Lear; Hambling, David John
PA May and Baker Ltd., UK
SO Brit. UK Pat. Appl., 17 pp.
CODEN: BAXXDU
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	GB 2005271	A	19790419	GB 1978-39164	19781003
				GB 1977-41483	19771005

JP 54063033	A2	19790521	JP 1978-122489	19781003
			GB 1977-41483	19771005
FR 2405235	A1	19790504	FR 1978-28392	19781004
			GB 1977-41483	19771005
DE 2843491	A1	19790426	DE 1978-2843491	19781005
			GB 1977-41483	19771005
US 4371516	A	19830201	US 1981-284025	19810717
			GB 1977-41483	19761006
			US 1977-837345	19770928

AB The prepn. is described of RZCH:CHZ1Z2R1 [I; R = CH2OH, CO2H; Z = C4-8 straight-chain alkylene; Z1 = CO, CH(OH); Z2 = C1-5 alkylene; R1 = Ph, PhO, PhS optionally substituted by halo, C1-4 alkyl or alkoxy]. Thus, trans-HO(CH2)6CH:CHCOCH2OPh was prepd. from HO(CH2)6CHO by treatment with Ph3P:CHCOCH2OPh in (Me2N)3PO (steam bath, N, 3 days). I are useful as insecticides and acaricides. I also modify or synchronize functions of female mammalian reproductive systems. The pesticidal activities of I were assessed against houseflies, ticks, and mosquitoes. Pesticidal compns. contg. I are described. I terminated pregnancy in hamsters (ED50 0.15-4.0 mg/kg) and stimulated uterine contraction in rats.

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	5.46	165.97

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.62	-1.24

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 09:09:41 ON 09 OCT 2002

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspta1623paz

PASSWORD:
* * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 09:44:21 ON 09 OCT 2002
FILE 'CAPLUS' ENTERED AT 09:44:21 ON 09 OCT 2002
COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	5.46	165.97

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.62	-1.24

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION

```
FULL ESTIMATED COST                                    9.02      169.53

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)        SINCE FILE      TOTAL
                                                      ENTRY    SESSION
CA SUBSCRIBER PRICE                                   -0.62      -1.24

 SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 09:49:53 ON 09 OCT 2002

Connecting via Winsock to STN


Welcome to STN International!  Enter x:x

LOGINID:ssspta1623paz

PASSWORD:
 * * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
SESSION RESUMED IN FILE 'CAPLUS' AT 09:55:47 ON 09 OCT 2002
FILE 'CAPLUS' ENTERED AT 09:55:47 ON 09 OCT 2002
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COST IN U.S. DOLLARS                              SINCE FILE      TOTAL
                                                      ENTRY    SESSION
FULL ESTIMATED COST                                    9.02      169.53

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)        SINCE FILE      TOTAL
                                                      ENTRY    SESSION
CA SUBSCRIBER PRICE                                   -0.62      -1.24

=> file reg
COST IN U.S. DOLLARS                              SINCE FILE      TOTAL
                                                      ENTRY    SESSION
FULL ESTIMATED COST                                    9.42      169.93

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)        SINCE FILE      TOTAL
                                                      ENTRY    SESSION
CA SUBSCRIBER PRICE                                   -0.62      -1.24

FILE 'REGISTRY' ENTERED AT 09:56:08 ON 09 OCT 2002
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PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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STRUCTURE FILE UPDATES:    7 OCT 2002  HIGHEST RN 459783-15-4
DICTIONARY FILE UPDATES:   7 OCT 2002  HIGHEST RN 459783-15-4

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

Crossover limits have been increased.  See HELP CROSSOVER for details.
```

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

```
=> e octanoic acid, 8-henoxy-/cn
E1            1     OCTANOIC ACID, 8-FORMYL-, METHYL ESTER, 8-(DIHEXYL
ACETAL)/C
                    N
E2            1     OCTANOIC ACID,
8-FORMYL-5-HYDROXY-3-(4-METHOXYPHENYL)-4-OXO-
                    4H-1-BENZOPYRAN-7-YL ESTER/CN
E3            0 --> OCTANOIC ACID, 8-HENOXY-/CN
E4            1     OCTANOIC ACID, 8-HYDRAZONO-, METHYL ESTER/CN
E5            1     OCTANOIC ACID, 8-HYDROPEROXY-, METHYL ESTER/CN
E6            1     OCTANOIC ACID, 8-HYDROXY-/CN
E7            1     OCTANOIC ACID, 8-HYDROXY-,
(5-HYDROXY-4-(HYDROXYMETHYL)-6-ME
                    THYL-3-PYRIDINYL)METHYL ESTER/CN
E8            1     OCTANOIC ACID, 8-HYDROXY-, .ETA.-LACTONE/CN
E9            1     OCTANOIC ACID, 8-HYDROXY-, 1,1-DIMETHYLETHYL ESTER/CN
E10           1     OCTANOIC ACID, 8-HYDROXY-, 2,2,2-TRICHLOROETHYL ESTER/CN
E11           1     OCTANOIC ACID, 8-HYDROXY-, 2-ETHOXY-3-(HEXADECYLOXY)PROPYL
E
                    STER/CN
E12           1     OCTANOIC ACID, 8-HYDROXY-, 2-ETHOXY-3-(HEXADECYLOXY)PROPYL
E
                    STER, (.+-.)-/CN

=> e octanoic acid, 8-phenoxy-/cn
E1            1     OCTANOIC ACID, 8-P-TOLUOYL-/CN
E2            1     OCTANOIC ACID, 8-P-TOLYL-/CN
E3            1 --> OCTANOIC ACID, 8-PHENOXY-/CN
E4            1     OCTANOIC ACID, 8-PHENYL-/CN
E5            1     OCTANOIC ACID, 8-PHENYL-, 2-FLUOROETHYL ESTER/CN
E6            1     OCTANOIC ACID, 8-PHENYL-, METHYL ESTER/CN
E7            1     OCTANOIC ACID, 8-PHENYL-, P-CHLOROBENZYL ESTER/CN
E8            1     OCTANOIC ACID, 8-PHENYL-, SODIUM SALT/CN
E9            1     OCTANOIC ACID, 8-PHENYL-2-METHYL-/CN
E10           1     OCTANOIC ACID, 8-PURIN-6-YLAMINO-/CN
E11           1     OCTANOIC ACID, 8-QUINOLINYL ESTER/CN
E12           1     OCTANOIC ACID, 8-QUINOLINYL ESTER, HYDROCHLORIDE/CN

=> e3
L9            1 "OCTANOIC ACID, 8-PHENOXY-"/CN

=> d l9

L9   ANSWER 1 OF 1  REGISTRY  COPYRIGHT 2002 ACS
RN   7305-68-2  REGISTRY
CN   Octanoic acid, 8-phenoxy- (7CI, 8CI, 9CI)  (CA INDEX NAME)
FS   3D CONCORD
MF   C14 H20 O3
LC   STN Files:   BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, TOXCENTER,
USPATFULL
         (*File contains numerically searchable property data)
```

$HO_2C-(CH_2)_7-OPh$

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

6 REFERENCES IN FILE CA (1962 TO DATE)
6 REFERENCES IN FILE CAPLUS (1962 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	6.72	176.65

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-1.24

FILE 'CAPLUS' ENTERED AT 09:57:48 ON 09 OCT 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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FILE COVERS 1907 - 9 Oct 2002 VOL 137 ISS 15
FILE LAST UPDATED: 7 Oct 2002 (20021007/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> l9
L10 6 L9

=> l9/prep
6 L9
2918900 PREP/RL
L11 5 L9/PREP
(L9 (L) PREP/RL)

=> d l11 1-5 ti fbib abs

L11 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2002 ACS
TI Polyhydroxyalkanoates produced by utilizing microorganisms
AN 2001:541640 CAPLUS
DN 135:122937
TI Polyhydroxyalkanoates produced by utilizing microorganisms
IN Honma, Tsutomu; Kobayashi, Toyoko; Yano, Tetsuya; Kobayashi, Shin; Imamura, Takeshi; Suda, Sakae; Kenmoku, Takashi
PA Canon Kabushiki Kaisha, Japan
SO Eur. Pat. Appl., 95 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1118629	A2	20010725	EP 2000-128540	20001227
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
				JP 1999-371864 A	19991227
				JP 1999-371867 A	19991227
				JP 1999-371868 A	19991227
				JP 1999-371869 A	19991227
				JP 2000-23024 A	20000131
				JP 2000-23025 A	20000131
				JP 2000-361323 A	20001128
	JP 2001288256	A2	20011016	JP 2000-361323	20001128
				JP 1999-371864 A	19991227
				JP 1999-371867 A	19991227
				JP 1999-371868 A	19991227
				JP 1999-371869 A	19991227
				JP 2000-23024 A	20000131
				JP 2000-23025 A	20000131
	US 2001029039	A1	20011011	US 2000-745476	20001226
				JP 1999-371864 A	19991227
				JP 1999-371867 A	19991227
				JP 1999-371868 A	19991227
				JP 1999-371869 A	19991227
				JP 2000-23024 A	20000131
				JP 2000-23025 A	20000131
				JP 2000-361323 A	20001128
	CN 1322768	A	20011121	CN 2000-137651	20001227
				JP 1999-371864 A	19991227
				JP 1999-371867 A	19991227
				JP 1999-371868 A	19991227
				JP 1999-371869 A	19991227
				JP 2000-23024 A	20000131
				JP 2000-23025 A	20000131
				JP 2000-361323 A	20001128

AB The microbial polyhydroxyalkanoate comprises monomer units -RCHCH2COO-, wherein R is a (substituted) phenylalkyl, (substituted) phenoxyalkyl, or (substituted) cyclohexylalkyl group. Thus, 4-phenoxybutyric acid was cultured with yeast ext. at 30.degree. to give a polymer contg. 3-hydroxy-4-phenoxybutyric acid unit.

L11 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2002 ACS
TI Preparation of phenoxyalkanoic acids as drug delivery agents
AN 2001:338472 CAPLUS

DN 134:353172
TI Preparation of phenoxyalkanoic acids as drug delivery agents
IN Leone-Bay, Andrea; Kraft, Kelly; Moye-Sherman, Destardi; Gschneidner, David; Boyd, Maria A. P.; Liu, Puchun; Tang, Pinwah; Liao, Jun; Smarth, John E.; Freeman, John J., Jr.
PA Emisphere Technologies, Inc., USA
SO PCT Int. Appl., 107 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001032596	A1	20010510	WO 2000-US30662	20001106
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
				US 1999-163806PP	19991105
				US 2000-231836PP	20000906
				US 2000-237233PP	20001002
	BR 2000015567	A	20020716	BR 2000-15567	20001106
				US 1999-163806PP	19991105
				US 2000-231836PP	20000906
				US 2000-237233PP	20001002
				WO 2000-US30662W	20001106
	EP 1226104	A1	20020731	EP 2000-979142	20001106
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
				US 1999-163806PP	19991105
				US 2000-231836PP	20000906
				US 2000-237233PP	20001002
				WO 2000-US30662W	20001106

PATENT FAMILY INFORMATION:
FAN 2001:338308

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001032130	A2	20010510	WO 2000-US41960	20001106
	WO 2001032130	A3	20020314		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
				US 1999-163806PP	19991105
				US 2000-231836PP	20000906
				US 2000-237233PP	20001002
	AU 2001026223	A5	20010514	AU 2001-26223	20001106
				US 1999-163806PP	19991105

US 2000-231836PP 20000906
US 2000-237233PP 20001002
WO 2000-US41960W 20001106

EP 1226109 A2 20020731 EP 2000-989761 20001106
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
US 1999-163806PP 19991105
US 2000-231836PP 20000906
US 2000-237233PP 20001002
WO 2000-US41960W 20001106

OS MARPAT 134:353172

AB R1OZ1Z2CO2H [I; R1 = (un)substituted Ph; Z1 = (heteroatom-interrupted) alk(en)ylene or (hetero)arylene; Z2 = bond, (hydroxy)arylene, haloarylene] were prepd. Thus, 2-(HO)C6H4OCH2Ph was etherified by Br(CH2)6CO2Et and the product deprotected to give 2-(HO)C6H4O(CH2)6CO2H. Data for drug delivery activity of I were given.

RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2002 ACS

TI Self-Assembly of Aromatic-Derivatized Amphiphiles: Phenyl, Biphenyl, and Terphenyl Fatty Acids and Phospholipids

AN 1999:372465 CAPLUS

DN 131:219462

TI Self-Assembly of Aromatic-Derivatized Amphiphiles: Phenyl, Biphenyl, and Terphenyl Fatty Acids and Phospholipids

AU Geiger, H. Cristina; Perlstein, Jerry; Lachicotte, Rene J.; Wyrozebski, Katarzyna; Whitten, David G.

CS Center for Photoinduced Charge Transfer Department of Chemistry, University of Rochester, Rochester, NY, 14627, USA

SO Langmuir (1999), 15(17), 5606-5616
CODEN: LANGD5; ISSN: 0743-7463

PB American Chemical Society

DT Journal

LA English

AB This paper reports the synthesis of a series of amphiphiles (fatty acids and phosphatidylcholine derivs.) contg. Ph, biphenyl, and terphenyl chromophores inserted in the hydrocarbon chain and a study of their self-assembly in Langmuir-Blodgett films and aq. dispersions. As obsd. and reported earlier for amphiphiles contg. trans-stilbene, styrylthiophene, or azobenzene chromophores, several of the biphenyl and terphenyl derivs. show strong evidence of ground state assocn. to form "H" aggregates characterized by a blue shift in absorption and a structured, red-shifted fluorescence. The Ph amphiphiles show different behavior, suggesting that, even for pure films or bilayers, there is very little or no ground state assocn. For the biphenyl and terphenyl phospholipids, aq. suspensions obtained by sonication are closed bilayer vesicles similar in size to those formed from the corresponding satd. phospholipids. The overall results of the present study indicate that biphenyl and terphenyl amphiphiles undergo aggregation processes to form compact arrays formally similar to those obsd. with stilbene, tolan, azobenzene, and squaraine derivs. but that the arom.-arom. interactions are considerably weaker than those for the more extended aroms. and lead to less distortion of the assembly structure.

RE.CNT 39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2002 ACS
TI Method of inhibiting parasitic activity using myristic acid analogs
AN 1998:282407 CAPLUS
DN 129:8572
TI Method of inhibiting parasitic activity using myristic acid analogs
IN Gordon, Jeffrey I.; Gokel, George W.; Englund, Paul T.
PA Washington University, USA; Johns Hopkins University
SO U.S., 18 pp.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5747537	A	19980505	US 1995-523301	19950905
	US 5760259	A	19980602	US 1996-617246	19960318
				US 1995-523301	19950905
	US 5998642	A	19991207	US 1997-990536	19971215
				US 1995-523301	19950905
				US 1996-617246	19960318
	US 6001869	A	19991214	US 1997-990541	19971215
				US 1995-523301	19950905
				US 1996-617246	19960318
	US 6048989	A	20000411	US 1997-990540	19971215
				US 1995-523301	19950905
				US 1996-617246	19960318
	US 6025511	A	20000215	US 1998-52210	19980331
				US 1995-523301	19950905
				US 1996-617246	19960318

AB A method of inhibiting blood-stream trypanosome parasitic activity is disclosed in which the biosynthesis, structure and/or function of the glycosyl phosphatidylinositol (GPI) anchor of said parasite may be affected by incorporating into said GPI anchor selected analogs of myristic acid contg. various heteroatoms, substituents and unsatd. bonds, including ester-contg. analogs, ketocarbonyl-contg. analogs, sulfur-contg. analogs, double bond- and triple bond-contg. analogs, arom. moiety-contg. analogs, nitrated analogs and halogenated analogs. The trypanosome parasite is Trypanosome brucei, a protozoan bloodstream parasite responsible for African sleeping sickness which has a devastating effect on human health and on livestock prodn. Examples of myristic acid analogs (prepn. given) are MeS(CH2)10CO2H, MeCH2S(CH2)8CO2H, MeCH2S(CH2)2O(CH2)7CO2H, MeCO(CH2)10CO2H, O2N(CH2)12CO2H, Me(CH2)2C.tplbond.C(CH2)8CO2H, Ph(CH2)7CO2H, EtC6H4(CH2)7CO2H, 2-furyl-(CH2)10CO2H, Me(CH2)5-furyl-(CH2)4CO2H, etc. These acids inhibit parasitic activity by inhibiting the biosynthesis of the GPI anchor of the parasite. They as well as known acids were tested for toxicity against T. brucei type 221.

L11 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2002 ACS
TI Poly-3-hydroxyalkanoates Produced from Pseudomonas oleovorans Grown with .omega.-Phenoxyalkanoates

AN 1996:228698 CAPLUS
DN 124:263115
TI Poly-3-hydroxyalkanoates Produced from Pseudomonas oleovorans Grown with .omega.-Phenoxyalkanoates
AU Kim, YoungBaek; Rhee, Young Ha; Han, Sin-Ho; Heo, Gwi Suk; Kim, Jin Seog
CS Department of Chemistry, PaiChai University, Daejon, S. Korea
SO Macromolecules (1996), 29(10), 3432-5
CODEN: MAMOBX; ISSN: 0024-9297
PB American Chemical Society
DT Journal
LA English
AB Poly-3-hydroxyalkanoates (PHAs) produced by Pseudomonas oleovorans grown solely with 6-phenoxyhexanoate, 8-phenoxyoctanoate, and 11-phenoxyundecanoate were investigated. Wt. fractions of PHAs in dry cells were .apprx.10%, regardless of the carbon substrate used. DSC thermograms of these polymers showed no cryst. melting endotherm. Glass transition temps. were .apprx.20 .degree.C, and no.-av. mol. wts. were .apprx.65 000, with polydispersity indexes of 2.7 for all PHAs. GC/MS anal. showed that 3-hydroxy-5-phenoxypentanoate was the main repeating unit in the PHA produced from 11-phenoxyundecanoate, and 3-hydroxy-4-phenoxybutyrate was the main repeating unit in PHAs produced from 6-phenoxyhexanoate and 8-phenoxyoctanoate.

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CA SUBSCRIBER PRICE	-3.10	-4.34

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